<p style="text-align:center">**COORDINATE GEOMETRY CONCEPTS**</p>

Instruction for Part Three   Spirals

It is important that the information be read. The exercises in this part are based on the information that it contains.

WRITE OUT ALL SYNTAX LINES
1. **All problems are to be answered by writing out the lines of syntax. You are not to use the machine GEOPAK.**

2. **The exercises (beginning on sheets 38) require that you write line(s) of syntax for stored point(s) before you write the syntax line for the spiral.**
    For each exercise, you are to provide the spiral type and the format you used based on the information provided in the examples.

3. **A special note should be taken, refer to sheet 31 intrinsic values***

4. **Finish up with the exercise (on sheet 43), which will form an alignment input file from the data given. For point 10 you may assume 10000,10000. Special attention should be taken to address the questions asked.**

Your written solutions can be mailed or faxed to Glenn Plott in Roadway Design CADD Support for evaluation. Your solutions will be evaluated and returned to you with suggestions for correcting any mistakes if any. You will then be advised to go to the next unit.

FOR QUESTIONS (919) 250 4016 EXT 313 for Glenn

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*(a special packet on Intrinsic Precision, not part of this course is available by request)